

NORTH

KEY

Existing Features

- Existing Tree/ Vegetation
- Existing Playground
- Existing Path
- Site Boundary

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MURCHISON PARK

URBAN FOREST PLAN

EXISTING VEGETATION PLAN

SCALE 1:1500

Original Plan Size: A3

ISSUE. 23/10/24

UFP011 Project Ref.

L01 File Ref.



NORTH

KEY

Potential Tree Planting Areas

- 5m - 10m Trees Height Zone
- 10m - 15m Trees Height Zone
- 15m - 20m Trees Height Zone
- 20+m Trees Height Zone

Existing Features

- Existing Tree/ Vegetation
- Existing Playground
- Existing Path
- Site Boundary

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MURCHISON PARK

URBAN FOREST PLAN

TREE PLANTING ZONES

SCALE 1:1500

Original Plan Size: A3

ISSUE. 23/10/24

UFP011 Project Ref.

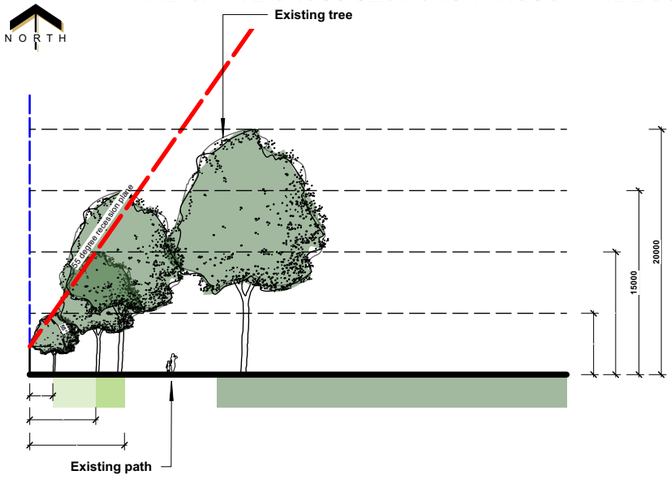
L02 File Ref.

INDICATIVE CROSS SECTIONS THROUGH THE BOUNDARIES

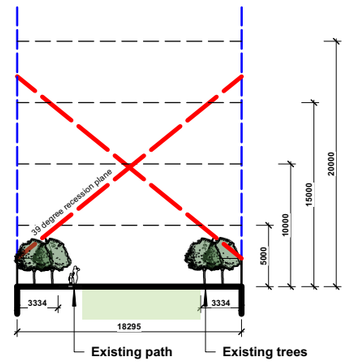


LOCATION PLAN : 1:4000

NORTH



A **SECTION A-A**
Scale: 1:500



B **SECTION B-B**
Scale: 1:500



C **SECTION C-C**
Scale: 1:500

KEY

Potential Tree Planting Areas

- 5m - 10m Trees Height Zone
- 10m - 15m Trees Height Zone
- 15m - 20m Trees Height Zone
- 20+m Trees Height Zone

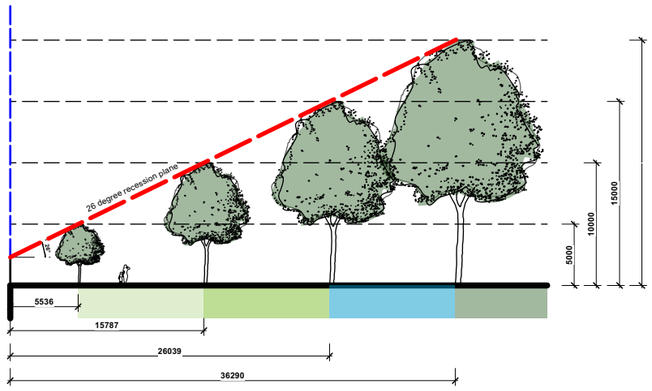
KEY

Existing Features

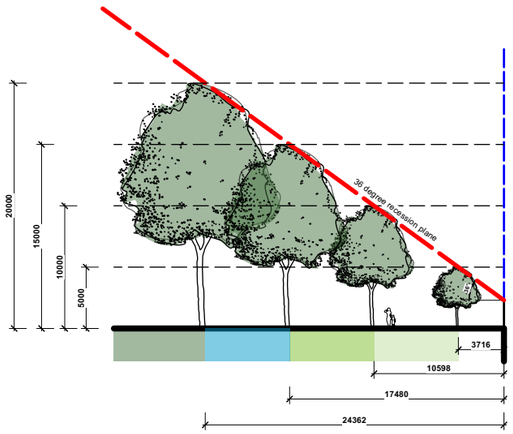
- Existing Tree/ Vegetation
- Existing Playground
- Existing Path
- Site Boundary



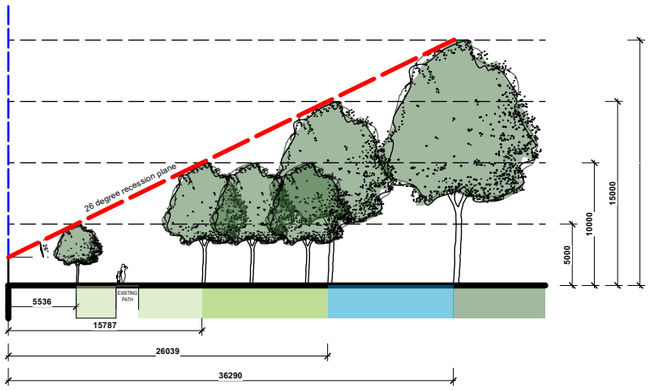
Recession plane angle determined by berring that is tangent to boundry line in accordance to the district plan



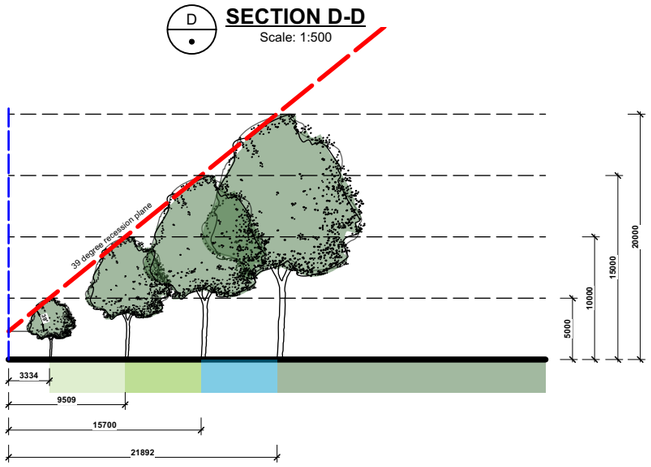
D **SECTION D-D**
Scale: 1:500



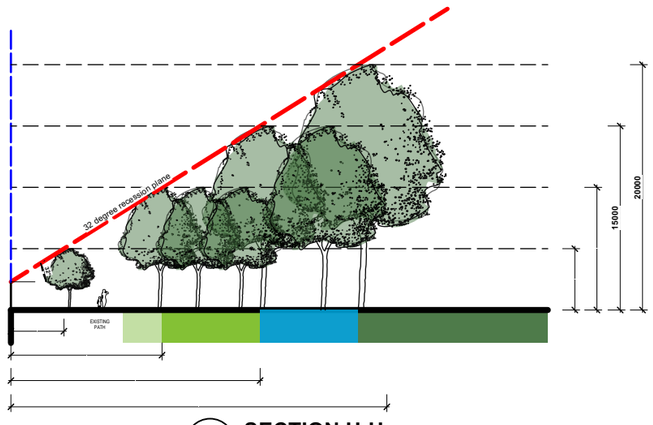
E **SECTION E-E**
Scale: 1:500



F **SECTION F-F**
Scale: 1:500



G **SECTION G-G**
Scale: 1:500



H **SECTION H-H**
Scale: 1:500

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MURCHISON PARK

URBAN FOREST PLAN

LOT BOUNDARY CROSS SECTIONS

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L03 File Ref.



KEY

Site Boundary

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MURCHISON PARK

URBAN FOREST PLAN

SHADE STUDY - EXISTING - SUMMER SOLSTICE 8AM

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UFP011 Project Ref.

L04 File Ref.



NORTH

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MURCHISON PARK

URBAN FOREST PLAN

SHADE STUDY - PROPOSED - SUMMER SOLSTICE 8am

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L05 File Ref.



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Site Boundary

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MURCHISON PARK

URBAN FOREST PLAN

SHADE STUDY - EXISTING - SUMMER SOLSTICE 10AM

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L06 File Ref.



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MURCHISON PARK

URBAN FOREST PLAN

SHADE STUDY - PROPOSED SUMMER SOLSTICE 10am

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L07 File Ref.



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Site Boundary

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MURCHISON PARK

URBAN FOREST PLAN

SHADE STUDY - EXISTING SUMMER SOLSTICE 12pm

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L08 File Ref.



NORTH

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Site Boundary

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MURCHISON PARK

URBAN FOREST PLAN

SHADE STUDY - PROPOSED - SUMMER SOLSTICE 12pm

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UFP011 Project Ref.

L09 File Ref.



NORTH

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Site Boundary

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MURCHISON PARK

URBAN FOREST PLAN

SHADE STUDY - EXISTING - SUMMER SOLSTICE 2pm

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NORTH

KEY

Site Boundary

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MURCHISON PARK

URBAN FOREST PLAN

SHADE STUDY - PROPOSED - SUMMER SOLSTICE 2pm

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UFP011 (Project Ref.) L11 (File Ref.)



NORTH

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Site Boundary

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MURCHISON PARK

URBAN FOREST PLAN

SHADE STUDY - EXISTING - SUMMER SOLSTICE 4pm

SCALE 1:1500

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MURCHISON PARK

URBAN FOREST PLAN

SHADE STUDY - PROPOSED - SUMMER SOLSTICE 4pm

SCALE 1:1500

Original Plan Size: A3

ISSUE. 23/10/24

UFP011 Project Ref.

L13 File Ref.



NORTH

KEY

Site Boundary

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MURCHISON PARK

URBAN FOREST PLAN

SHADE STUDY - EXISTING - SUMMER SOLSTICE 6pm

SCALE 1:1500

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UFP011 Project Ref.

L14 File Ref.



NORTH

KEY

Site Boundary

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MURCHISON PARK

URBAN FOREST PLAN

SHADE STUDY - PROPOSED - SUMMER SOLSTICE 6pm

SCALE 1:1500

Original Plan Size: A3

ISSUE. 23/10/24

UFP011 Project Ref.

L15 File Ref.



NORTH

KEY

Site Boundary

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MURCHISON PARK

URBAN FOREST PLAN

SHADE STUDY - EXISTING - WINTER SOLSTICE 8am

SCALE 1:1500

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ISSUE. 23/10/24

UFP011 Project Ref.

L16 File Ref.



NORTH

KEY

Site Boundary

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MURCHISON PARK

URBAN FOREST PLAN

SHADE STUDY - PROPOSED - WINTER SOLSTICE 8am

SCALE 1:1500

Original Plan Size: A3

ISSUE. 23/10/24

UFP011 Project Ref.

L17 File Ref.



NORTH

KEY

Site Boundary

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MURCHISON PARK

URBAN FOREST PLAN

SHADE STUDY - EXISTING - WINTER SOLSTICE 10am

SCALE 1:1500

Original Plan Size: A3

ISSUE. 23/10/24

UFP011 Project Ref.

L18 File Ref.



NORTH

KEY

Site Boundary

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MURCHISON PARK

URBAN FOREST PLAN

SHADE STUDY - PROPOSED - WINTER SOLSTICE 10am

SCALE 1:1500

Original Plan Size: A3

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NORTH

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Site Boundary

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MURCHISON PARK

URBAN FOREST PLAN

SHADE STUDY - EXISTING - WINTER SOLSTICE 12pm

SCALE 1:1500

Original Plan Size: A3

ISSUE. 23/10/24

UFP011 Project Ref.

L20 File Ref.



NORTH

KEY

Site Boundary

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MURCHISON PARK

URBAN FOREST PLAN

SHADE STUDY - PROPOSED - WINTER SOLSTICE 12pm

SCALE 1:1500

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ISSUE. 23/10/24

UFP011 Project Ref.

L21 File Ref.



NORTH

KEY

Site Boundary

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MURCHISON PARK

URBAN FOREST PLAN

SHADE STUDY - EXISTING - WINTER SOLSTICE 2pm

SCALE 1:1500

Original Plan Size: A3

ISSUE. 23/10/24

UFP011 Project Ref.

L22 File Ref.



NORTH

KEY

Site Boundary

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MURCHISON PARK

URBAN FOREST PLAN

SHADE STUDY - PROPOSED - WINTER SOLSTICE 2pm

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NORTH

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Site Boundary

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MURCHISON PARK

URBAN FOREST PLAN

SHADE STUDY - EXISTING - WINTER SOLSTICE 4pm

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L24 File Ref.



NORTH

KEY

Site Boundary

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MURCHISON PARK

URBAN FOREST PLAN

SHADE STUDY - PROPOSED - WINTER SOLSTICE 4pm

SCALE 1:1500

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NORTH

KEY

Site Boundary

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MURCHISON PARK

URBAN FOREST PLAN

SHADE STUDY - EXISTING - WINTER SOLSTICE 6pm

SCALE 1:1500

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ISSUE. 23/10/24

UFP011 Project Ref.

L26 File Ref.



NORTH

KEY

Site Boundary

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MURCHISON PARK

URBAN FOREST PLAN

SHADE STUDY - PROPOSED - WINTER SOLSTICE 6pm

SCALE 1:1500

Original Plan Size: A3

ISSUE. 23/10/24

UFP011 Project Ref.

L27 File Ref.



NORTH

KEY

- Site Boundary
- Refer to Tree Planting Guidelines on Sheet L32
- Existing Tree/ Vegetation
- Existing Playground
- Existing Path
- 5m - 10m Trees Height Zone
- 10m - 15m Trees Height Zone
- 15m - 20m Trees Height Zone
- 20+m Trees Height Zone
- Native Forest Revegetation Planting

PARK CANOPY COVER SUMMARY:

Existing number of trees	approx. >300 + 3400m² of bush
Existing canopy cover	approx. 24%
Proposed number of new trees	18 + 16,700 m² of native forest
Proposed net canopy cover (existing vegetation and proposed)	approx. 60%

PLANT SCHEDULE:

ID	QUANTITY	TREE CATEGORY	TREE HEIGHT
Small	3	Small Tree	5-10m
Medium	8	Medium Tree	11- 15m
Large	7	Large Tree	16- 20m
Native Revegetation Planting	16,700 m²	Native Forest Revegetation Planting	Mixed (including understorey planting)

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MURCHISON PARK

URBAN FOREST PLAN

INDICATIVE TREE PLANTING PLAN

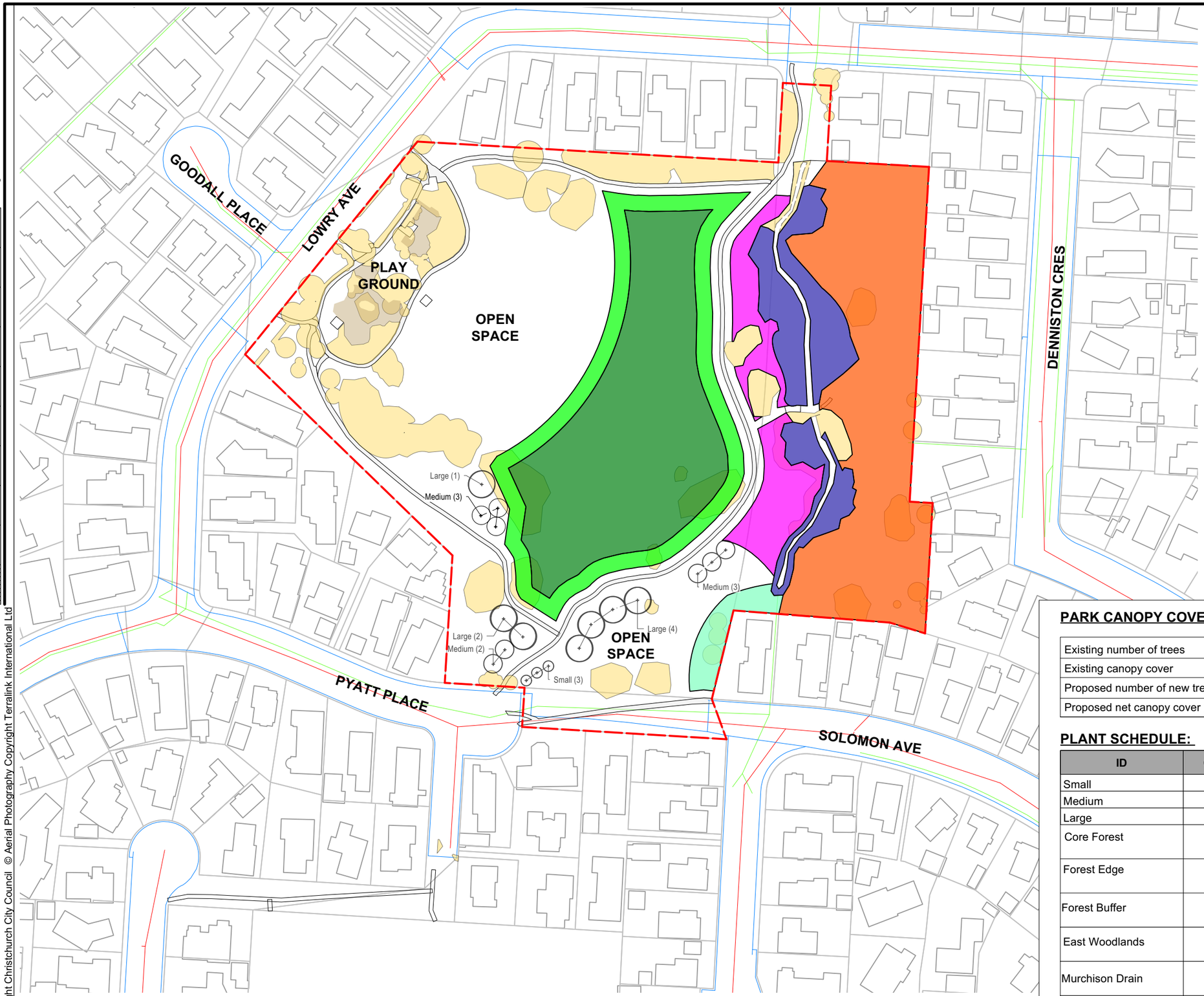
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UFP011 Project Ref.

L28 File Ref.



NORTH

KEY

Site Boundary

Refer to Tree Planting Guidelines on Sheet L32

Existing Tree/ Vegetation

Existing Playground

Existing Path

Site Boundary

FOREST TYPES

Zone 1: Core Forrest

Zone 2: Forest Edge

Zone 3: Forest Buffer

Zone 4: East Woodland

Zone 5: Murchison Drain

Zone 6: Forest Understorey

PARK CANOPY COVER SUMMARY:

Existing number of trees	approx. >300 + 3400m^2 of bush
Existing canopy cover	approx. 24%
Proposed number of new trees	18 + 16,700 m^2 of native forest
Proposed net canopy cover (existing vegetation and proposed)	approx. 60%

PLANT SCHEDULE:

ID	QUANTITY	TREE CATEGORY	TREE HEIGHT
Small	3	Small Tree	5-10m
Medium	8	Medium Tree	11- 15m
Large	7	Large Tree	16- 20m
Core Forest	6167 m^2	Native Forest Revegetation Planting	Mixed (including understorey planting)
Forest Edge	2550 m^2	Native Forest Revegetation Planting	Mixed (including understorey planting)
Forest Buffer	1623 m^2	Native Forest Revegetation Planting	Mixed (including understorey planting)
East Woodlands	6319 m^2	Native Forest Revegetation Planting	Mixed (including understorey planting)
Murchison Drain	512 m^2	Native Forest Revegetation Planting	Mixed (including understorey planting)
Forest Understorey	3300 m^2	Native Forest Revegetation Planting	Mixed (including understorey planting)

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MURCHISON PARK

URBAN FOREST PLAN

INDICATIVE TREE PLANTING PLAN: FOREST TYPES

SCALE 1:1500

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NORTH

KEY

Site Boundary

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MURCHISON PARK

URBAN FOREST PLAN

EXISTING PLAN

SCALE 1:1500

Original Plan Size: A3

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UFP011 Project Ref.

L30 File Ref.



NORTH

KEY

Site Boundary

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MURCHISON PARK

URBAN FOREST PLAN

PROPOSED CONCEPT PLAN

SCALE 1:1500

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UFP011 (Project Ref.) L31 (File Ref.)

Guideline Summary

- Tree planting to Special Character Parks will continue the established theme.
- Trees will be positioned appropriately to allow for debris management.
- Tree species shall be well suited to the local conditions.
- Planting along waterways will be native species.
- 100% of new tree plantings will be natives.

Tree Setbacks & Spacings

- No tree shall intrude through the recession plane at maturity.
- No tree shall be planted closer than 3.0m from a pathway.
- No tree shall be planted closer than 5.0m from a sports field and no tree canopy drip line shall extend above a sports field.
- Tree spacings shall be a minimum of 5.0m apart to allow for easy lawn mowing.
- Min. 2m offset for low voltage power.
- Min. 3m offset for 11kv power.
- Min. 5m offset for 33-66kv power.
- Min. of 1m offset for all other services and hard paving not mentioned above.



KEY

Services

- Stormwater
- Sewer
- Water
- Enable Fibre
- Orion Power

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MURCHISON PARK

URBAN FOREST PLAN

TREE PLANTING GUIDELINES

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